

Appendix D

Prefinal Inspection Checklist

WAG 5 OU 5-12 Remedial Action, Phase I
Prefinal Inspection Checklist, 10/02/01
Site ARA-02: ARA-I Sanitary Waste System

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
1. Clearing and grubbing of the ARA-02 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.4).	FTL Logbook ER-64-00	X		Logbook Page 9 7/6/00
2. ARA-02 system components including piping, three manholes, septic tanks, and seepage pit, excavated in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-64-00	X		Logbook pages 9, 11–12, 22, etc. 7/6/00–8/24/00
3. ARA-02 system excavations and system components visually inspected for evidence of leaks in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2).	FTL Logbook ER-64-00	X		Logbook pages 9, 11–12, 13–14, 22, etc. 7/6/00–8/24/00
4. ARA-02 system components including piping, three manholes, septic system tanks, pumice blocks and gravel removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2) and Appendix B, Specification 273, Section 02050—Demolition.	FTL Logbook ER-64-00	X		Logbook pages 13–14, , 22, 23, etc. 7/16/00–8/24/00
5. ARA-02 open excavations and stockpiled soil field screened for organic and radiological contaminants in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.1).	FTL Logbook ER-64-00	X		Logbook pages 13–14, 19 7/12/00–7/18/00
6. Samples collected from potentially contaminated soils identified in Item 5 above, in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.1).	Chain of custody forms	N/A		No soils were identified as being contaminated based upon field screening; hence, no samples were collected requiring chain-of-custody.
7. ARA-02 system components including piping, three manholes, septic system tanks, pumice blocks and gravel, sized, packaged, and sampled for waste characterization in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.1).	Chain of custody forms COC# 12398 COC# 12386 COC#12391 COC#12393 COC# 12394 COC# 12395 COC# 12396 COC# 12397 COC# 12399 COC# 12387			

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Site ARA-02: ARA-I Sanitary Waste System

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
8. Analytical data received and validated in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 3.7).	L&V Reports SDG #5RA00101TI SDG #5RA05901LA SDG #5RA05901AB SDG #5RA00101AB SDG #5RA00101SV SVOCs VOCs PCBs SDG #5RA00401DF SDG #5RA05901VG	X		
9. Analytical data transmitted to the Agencies in accordance with the FFA/CO, Section XIX.	Letter #CCN 16091	X		
10. Remediation goals for ARA-02 have been met in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.1.1).	RA Report Appendix C Appendix E	X		
11. ARA-02 waste data evaluated against LDRs based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-3).	Material Profile #2690Q Material Profile #2684Q	X		
12. ARA-02 waste data evaluated against treatment standards based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-3).	Material Profile #2690Q Material Profile #2684Q	X		
13. ARA-02 waste data evaluated against the approved disposal facility's WAC in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-3).	Material Profile #2690Q Material Profile #2684Q	X		
14. Hazardous waste determinations completed and approved for all ARA-02 wastes based on validated analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-3).	Material Profile #2690Q Material Profile #2684Q	X		
15. Final packaging and shipment of ARA-02 waste to approved disposal facility completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2).	FTL Logbook ER-64-00	X		Logbook Page 42 8/16/00

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Site ARA-02: ARA-I Sanitary Waste System

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
16. Excavations backfilled, compacted, and graded to match existing contours and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-64-00	X		Logbook Page 49 8/24/00
17. Remediation site reseeded and stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02486—Revegetation.				Pending Final Action Success will be documented in the Final RA report and in future monitoring/O&M/Institutional Control inspections
18. Equipment decontaminated and decontamination waste characterized and dispositioned in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.11) and the HASP for OU 5-12 RD/RA Projects (INEEL/EXT-2000-00515, Section 10).	FTL Logbook ER-64-00	X		Logbook Page 51 8/28/00
19. As-built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	RA Report Appendix A Sheet SK-1			
20. Institutional controls are functional and operational in accordance with the O&M Plan for PBF and ARA, OU 5-12 (DOE/ID-10805, Section 3 and Appendix A, Section 3.2).	Annual Inspection Summary for WAGs			Pending—will be performed as part of the WAG 5 annual inspection. Refer to the RA Report, Section 6.
21. Wastes have been disposed of in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.10 and Appendix J).	Certificate of Disposal RA Report Appendix F			

WAG 5 OU 5-12 Remedial Action, Phase I
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Site ARA-16: ARA-I Radionuclide Tank

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
1. Clearing and grubbing of the ARA-16 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Sections 5.3.4 and 5.3.4.4).	FTL Logbook ER-64-00 FTL Logbook ER-51-01	X		Logbook Page 53 8/29/00 Logbook Page 20 5/17/01
2. ARA-16 components, including piping and tank, have been excavated in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-51-01	X		Logbook Page 35, 89, 95, 97, 134, 139, 148 5/21/01, 7/30/01, 8/1/01–8/20/01, 9/6/01, 9/12/01, 9/24/01
3. ARA-16 system excavations and system components visually inspected for evidence of leaks in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3).	FTL Logbook ER-51-01	X		Logbook Page 35 5/21/01
4. ARA-16 tank waste removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3).	FTL Logbook ER-51-01	X		Logbook Pages 110–117 8/14/01–8/20/01
5. ARA-16 sludge dewatered and the liquid phase filtered and stabilized in drums in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3).	FTL Logbook ER-51-01	X		Logbook Pages 110–118 8/14/01–8/21/01
6. ARA-16 dewatered sludge packaged and stored in an approved waste storage area in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3).	FTL Logbook ER-51-01	X		Logbook Page 133 9/6/01
7. ARA-16 system components including piping, tank, vault, gravel, and associated soils removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3); Appendix B, Specification 273, Section 02050—Demolition; and Appendix C, the ARA-16 Cleaning and Removal EDF (EDF-2718).	FTL Logbook ER-51-01	X		Logbook Pages 35–148 5/21/01 through 9/24/01
8. ARA-16 tank excavation visually inspected for evidence of leaks in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3).	FTL Logbook ER-51-01	X		Logbook Page 121 8/23/01
9. ARA-16 tank excavation and stockpiled soils field screened for radiological and organic contamination in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.2).	FTL Logbook ER-51-01	X		Logbook page 135 9/10/01

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Site ARA-16: ARA-I Radionuclide Tank

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
10. Samples collected for laboratory analysis from potentially contaminated soils identified in Step 8 in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.2).		N/A		No soils contaminated since no leaks from the tank were identified.
11. ARA-16 tank and associated wastes have been packaged and grouted in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3) and Appendix B, Specification 1492.	FTL Logbook ER-51-01	X		Logbook Page 121 8/23/01
12. ARA-16 tank containment, including vault, gravel, and associated soils, has been packaged in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3).	FTL Logbook ER-51-01	X		Logbook through Page 147 9/20/01
13. ARA-16 tank containment, including vault, gravel, and associated soils, has been sampled for waste characterization in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.2).		N/A		No anomalies were encountered that would indicate that conditions of the vault and gravel were different than that determined during the comprehensive RI/FS; therefore, no additional sampling was required.
14. ARA-16 piping excavations and stockpiled soil field screened for radiological and organic contamination in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.2).	FTL Logbook ER-51-01	X		Logbook Page 128 8/30/01
15. Samples collected from potentially contaminated soils identified in Item 13 in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.2).	Chain-of-custody forms COC# 15576 COC# 15577 COC# 15579	X		
16. Samples have been collected from the carbon filter used during the separation of the liquid phase from the sludge in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.2).	Chain-of-custody forms COC# 14888 COC# 14859			
17. Analytical data received and validated in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 3.7).	L&V Reports SDG# 5RA209DISV, SVOCs, VOCs, PCBs SDG# 5RA20901LA SDG# 5RA20901AB			Pending receipt of final L&V reports for the carbon filter.

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Site ARA-16: ARA-I Radionuclide Tank

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
18. Analytical data transmitted to the Agencies in accordance with the FFA/CO, Section XIX.	Letter #CCN 24740			Pending receipt of final L&V reports for the carbon filter.
19. Remediation goals for ARA-16 have been met in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.1.2).	RA Report Appendix C Appendix E	X		
20. ARA-16 waste data evaluated against the LDRs based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-4).	Material Profile # 2855N Material Profile #2853N	X		
21. ARA-16 waste data evaluated against treatment standards based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-4).	Material Profile # 2855N Material Profile #2853N	X		
22. Hazardous waste determinations completed and approved for all ARA-16 wastes based on validated analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.1 and Table 4-4).	Material Profile # 2855N Material Profile #2853N	X		
23. The carbon filter and ARA-16 tank sludge have been placed into compliant storage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Appendix J).	FTL Logbook ER-51-01	X		Logbook Page 133 9/6/01
24. Excavations backfilled, compacted and graded to match existing contours and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.3) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-51-01			Pending completion of backfilling effort. To be documented in Final RA report.
25. Remediation site reseeded and/or stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02486—Revegetation.				Pending Final Action. Success will be documented in the Final RA Report and in future monitoring/O&M/Institutional Control Inspections.

WAG 5 OU 5-12 Remedial Action, Phase I
Prefinal Inspection Checklist, 10/02/01
Site ARA-16: ARA-I Radionuclide Tank

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
26. Equipment decontaminated and decontamination waste characterized and dispositioned in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.11) and the HASP for OU 5-12 RD/RA Projects (INFEI/FXT-2000-00515, Section 10).	FTL Logbook ER-51-01			Pending completion. This will be documented in the final RA report.
27. Task site demobilization completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.9).	FTL Logbook ER-51-01			Pending completion. This will be documented in the final RA report.
28. As-built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	RA Report Appendix A Sheets SK-5, SK-6, and SK-8	X		
29. Institutional controls are functional and operational in accordance with the O&M Plan for PBF and ARA, OU 5-12 (DOE/ID-10805, Section 3 and Appendix A, Section 3.2).	Annual Inspection Summary for WAGs			Pending—will be performed as part of the WAGs annual inspection. Refer to the RA Report, Section 6.
30. Waste have been disposed of in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.10 and Appendix J).	Material Profile #2853N Material Profile #2855N	X		Final completion pending an approved off-Site TSDF becoming available for the sludge. This will be documented in the Phase II RA report as described in Section 4 of the Phase I RA report.

WAG 5 OU 5-12 Remedial Action, Phase I
Prefinal Inspection Checklist, 10/02/01
Site ARA-25: ARA-I Soils Beneath the ARA-626 Hot Cells

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
1. Clearing and grubbing of the ARA-25 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.4 and 5.3.4.6).	FTL Logbook ER-64-00 FTL Logbook ER-51-01	X		Logbook Page 53 8/29/00 Logbook Page 20 5/17/01
2. ARA-25 cover (roof structure) removed, surveyed for radiological contamination, and disposed at an approved facility in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.4.6).	FTL Logbook ER-51-01	X		Pages 37; 101 6/6/01, 8/6/01
3. ARA-25 soils and ARA-626 hot cell foundations excavated and removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.5) and Appendix B, Specification 273, Section 02050—Demolition.	FTL Logbook ER-51-01	X		Page 37, 53–145 6/6/01, 6/21/01–9/19/01
4. The hot cell drainlines have been excavated and removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.5) and Appendix B, Specification 273, Section 02050—Demolition.	FTL Logbook ER-51-01	X		43–46 6/13/01–6/14/01
5. ARA-25 open excavations and stockpiled soil field screened for organic and radiological contaminants in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.5).	FTL Logbook ER-51-01	X		Page 55, 44 6/28/01, 6/13/01
6. Samples collected from potentially contaminated soils identified in Item 3 above, in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.5).	Chain of custody forms	N/A		Rad contaminated soils identified associated with ARA-16 piping (see Item 15 on ARA-16 checklist)
7. Analytical data received and validated in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 3.7).	L&V Reports	N/A		Samples collected associated with ARA-16 (see Item 17 on ARA-16 checklist)
8. Analytical data transmitted to the Agencies in accordance with the FFA/CO, Section XIX.		N/A		Data associated with ARA-16 (see Item 18 on ARA-16 checklist)
9. Remediation goals for ARA-25 have been met in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.1.3).	RA Report Appendix C Appendix E	X		

WAG 5 OU 5-12 Remedial Action, Phase I
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Site ARA-25: ARA-I Soils Beneath the ARA-626 Hot Cells

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
10. ARA-25 waste data evaluated against the approved disposal facility's WAC in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.4 and Table 4-6)	Material Profile #2696N	X		
11. Hazardous waste determinations completed and approved for all ARA-25 wastes based on validated analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.4 and Table 4-6).	Material Profile #2696N	X		
12. Final packaging and shipment of ARA-25 waste to approved disposal facility completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.5).	FTL Logbook ER-51-01	X		Page 37, 53-153 6/6/01, 6/21/01-9/27/01
13. Excavation backfilled, compacted and graded to match existing contour and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.5) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-51-01			Pending completion. This will be documented in the final RA report.
14. Remediation site reseeded and/or stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02486—Revegetation.				Pending Final Action. Success will be documented in the final RA Report and in future monitoring/O&M/Institutional Control Inspection.
15. Equipment decontaminated and decontamination waste characterized and dispositioned in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.11) and the HASP for OU 5-12 RD/RA Projects (INEEL/EXT-2000-00515, Section 10).	FTL Logbook ER-51-01			Pending completion. This will be documented in the final RA report.
16. Task site demobilization completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.9).	FTL Logbook ER-51-01			Pending completion. This will be documented in the final RA report.
17. As-built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	RA Report Appendix A Sheet SK-8	X		

WAG 5 OU 5-12 Remedial Action, Phase I
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Site ARA-25: ARA-I Soils Beneath the ARA-626 Hot Cells

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
18. Institutional controls are functional and operational in accordance with the O&M Plan for PBF and ARA, OU 5-12 (DOE/ID-10805, Section 3 and Appendix A, Section 3.2).	Annual Inspection Summary for WAG 5			Pending—will be performed as part of the WAG 5 annual inspection. Refer to the RA report, Section 6.
19. Wastes have been disposed of in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.10 and Appendix J).	Material Profile #2696N	X		

WAG 5 OU 5-12 Remedial Action, Phase I
Prefinal Inspection Checklist, 10/02/01
Inactive Waste System Site ARA-07: ARA-II Seepage Pit to East (ARA-720A)

Inspection Item	Satisfactory		Verification Location	Comments
	Yes	No		
1. Clearing and grubbing of the ARA-07 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Sections 5.3.4 and 5.3.4.1).	X		FTL Logbook ER-64-00	Page 5 6/28/00
2. ARA-07 wooden lid structure, above-ground cinder blocks, and chain-link fencing removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.1) and Appendix B, Specification 273, Section 02050—Demolition. The cinder blocks were removed to a depth of 0.6 m (2 ft) below ground surface.	X		FTL Logbook ER-64-00	Page 5 6/28/00
3. ARA-07 wooden lid structure, above-ground cinder blocks, and chain-link fencing screened for radiological contamination in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.1).	X		FTL Logbook ER-64-00	Page 5 6/28/00
4. ARA-07 roofing material verified whether it does contain asbestos in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.1).	X		FTL Logbook ER-64-00	Page 6 6/29/00
5. ARA-07 wooden lid structure, above-ground cinder blocks, and chain-link fencing disposed at an approved facility in accordance with the OU 5-12 Phase I RD/RA Work Plan (DOE/ID-10761, Section 2.2.4.1 and Appendix J).	X		FTL Logbook ER-64-00	Pages 6–8 6/29/00–7/5/00
6. ARA-07 seepage pit backfilled, compacted and graded to match existing contours and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2) and Appendix B, Specification 273, Section 02200—Earthwork.	X		FTL Logbook ER-64-00	Pages 7–9 7/5/00–7/6/00
7. Construction area stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02200—Earthwork.	X		FTL Logbook ER-64-00	Page 9 7/6/00
8. Task site demobilization completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.9).	X		FTL Logbook ER-64-00	Pages 7–9 7/5/00–7/6/00 Demobilization consisted of moving the equipment over to ARA-08.

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Prefinal Inspection Checklist, 10/02/01
Inactive Waste System Site ARA-07: ARA-II Seepage Pit to East (ARA-720A)

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
9. As-built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	RA Report Appendix A Sheet SK-2	X		

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Inactive Waste System Site ARA-08: ARA-II Seepage Pit to West (ARA-720B)

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
1. Clearing and grubbing of the ARA-08 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Sections 5.3.4 and 5.3.4.2).	FTL Logbook ER-64-00	X		Page 7 7/5/00
2. ARA-08 concrete lid structure excavated and removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.2) and Appendix B, Specification 273, Section 02050—Demolition.	FTL Logbook ER-64-00	X		Page 9 7/6/00
3. ARA-08 concrete lid structure screened for radiological contamination in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.1).	FTL Logbook ER-64-00	X		Page 7 7/5/00
4. ARA-08 concrete lid structure disposed at an approved facility in accordance with the OU 5-12 Phase I RD/RA Work Plan (DOE/ID-10761, Section 2.2.4.1 and Appendix J).	FTL Logbook ER-64-00	X		Page 7 7/5/00
5. ARA-08 seepage pit backfilled, compacted and graded to match existing contours and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.2) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-64-00	X		Page 9 7/6/00
6. Construction area stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-64-00	X		Page 9 7/6/00
7. Equipment decontaminated as necessary using dry decontamination methods in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.11) and the HASP for OU 5-12 RD/RA Projects (INEEL/EXT-20000-00515).	FTL Logbook ER-64-00	X		Page 9 7/6/00
8. Task site demobilization completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.9).	FTL Logbook ER-64-00	X		Page 9 7/6/00
9. As-built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	RA Report Appendix A Sheet SK-3	X		

WAG 5 OU 5-12 Remedial Action, Phase I

Prefinal Inspection Checklist, 10/02/01

Inactive Waste System Site ARA-13: ARA-III Sanitary Sewer Leach Field and Septic Tank (ARA-740)

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
1. Clearing and grubbing of the ARA-13 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Sections 5.3.4 and 5.3.4.3).	FTL Logbook ER-51-01	X		Page 7 5/3/01
2. Wastes in the ARA-13 system components, including the septic tank, manhole, and distribution box, sampled in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.3).	Chain of custody forms COC #13218 #13219 #13198 #13220 #13199 #13221			12378 13222 12377 12375 12376 12379
3. Analytical data received and validated in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 3.7).	L&V Reports SDG #5RA10401AB SDG #5RA10101LA SDG #5RA10101AB SDG #5RA10501EN SDG #5RA10401LA SDG #5RA10101VR SDG #5RA10401VR	X		
4. Analytical data transmitted to the Agencies in accordance with the FFA/CO Section XIX.	Letter #CCN 00-015020	X		
5. ARA-13 waste data evaluated against LDRs based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	Material Profile #2654K	X		
6. ARA-13 waste data evaluated against treatment standards based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	Material Profile #2654K	X		
7. ARA-13 waste data evaluated against the approved disposal facility's WAC in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	Material Profile #2654K	X		

WAG 5 OU 5-12 Remedial Action, Phase I
Inactive Waste System Site ARA-13: ARA-III Sanitary Sewer Leach Field and Septic Tank (ARA-740)
 Prefinal Inspection Checklist, 10/02/01

Inspection Item	Satisfactory		Verification Location	Comments
	Yes	No		
8. Hazardous waste determinations completed and approved for all ARA-13 wastes based on validated analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	X		Material Profile #2654K	
9. Liquid has been removed from the ARA-13 septic tank in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3).	X		FTL Logbook ER-51-01	Pages 5-9 5/2/01-5/7/01
10. Liquid has been disposed in the CFA Sewage Treatment Plant in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3 and Appendix J).	X		FTL Logbook ER-51-01	Pages 5-9 5/2/01-5/7/01
11. Low-level sludge has been removed from the ARA-13 septic tank in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3).	X		FTL Logbook ER-51-01	Pages 9-15 5/7/01-5/10/01
12. Low-level sludge has been solidified and disposed at the RWMC in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3 and Appendix J).	X		FTL Logbook ER-51-01	Pages 9-15, 42 5/7/01-5/10/01, 6/12/01
13. PCB-contaminated sludge has been removed from the ARA-13 distribution box in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3).	X		FTL Logbook ER-51-01	Page 7 5/3/01
14. PCB-contaminated sludge has been solidified and disposed at an approved facility in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3 and Appendix J).			FTL Logbook ER-51-01	Pending final disposal. This will be documented in the final RA report. Page 9 5/7/01
15. ARA-13 structural components amenable to removal have been excavated and removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3)	X		FTL Logbook ER-51-01	Page 8 5/7/01
16. ARA-13 structural components destined for disposal have been screened for radiological contamination in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.3).	X		FTL Logbook ER-51-01	Page 8 5/7/01

WAG 5 OU 5-12 Remedial Action, Phase I
Inactive Waste System Site ARA-13: ARA-III Sanitary Sewer Leach Field and Septic Tank (ARA-740)
 Prefinal Inspection Checklist, 10/02/01

Inspection Item	Satisfactory		Verification Location	Comments	
	Yes	No			
17. ARA-13 structural components that have been removed disposed at an approved facility in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3 and Appendix J).	X		FTL Logbook ER-51-01	Page 16 5/10/01	
18. Holes have been drilled in the bottoms of the ARA-13 system components in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3).	X		FTL Logbook ER-51-01	Page 15 5/10/01	
19. Excavations backfilled, compacted, and graded to match existing contours and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.3) and Appendix B, Specification 273, Section 02200—Earthwork.	X		FTL Logbook ER-51-01	Pages 16-17 5/10/01-5/14/01	
20. Remediation site reseeded and stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02486—Revegetation.	X		FTL Logbook ER-51-01	Page 16 5/10/01	
21. Equipment decontaminated and decontamination waste characterized and dispositioned in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.11) and the HASP for OU 5-12 RD/RA Projects (INEEL/EXT-2000-00515, Section 10).	X		FTL Logbook ER-51-01	Page 16 5/10/01	
22. Task site demobilization completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.9).	X		FTL Logbook ER-51-01	Page 16 5/10/01	
23. As built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	X		RA Report Appendix A Sheet SK-4		
24. Wastes have been disposed of in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.10 and Appendix J).			FTL Logbook ER-51-01	Pages 5-9, 16, 42 5/2/01-5/7/01, 5/10/01, 6/12/01	

WAG 5 OU 5-12 Remedial Action, Phase I

Prefinal Inspection Checklist, 10/02/01

Inactive Waste System Site ARA-21: ARA-IV Test Area Septic Tank and Leach Pit No. 2

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
1. Clearing and grubbing of the ARA-21 site was completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Sections 5.3.4 and 5.3.4.5).	FTL Logbook ER-64-00	X		Page 72 7/21/00
2. Wastes in the ARA-21 system components, including the septic tank and chlorination tank, sampled in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 4.2.4).	Chain of custody forms COC #13195 #13196			13197, 13192, 13193, 13194
3. Analytical data received and validated in accordance with the FSP for the WAG 5 RA, Phase I (DOE/ID-10758, Section 3.7).	L&V Reports SDG #5RA30101VG SDG #5RA30101LA SDG #5RA30101AB SDG #5RA30101VR	X		
4. Analytical data transmitted to the Agencies in accordance with the FFA/CO Section XIX.	Letter #CCN 00-014819	X		
5. ARA-21 waste data evaluated against LDRs based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	RA Report Section 2.4.4 Appendix C	X		
6. ARA-21 waste data evaluated against treatment standards based on analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	RA Report Section 2.4.4 Appendix C	X		
7. ARA-21 waste data evaluated against the approved disposal facility's WAC in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).	RA Report Section 2.4.4 Appendix C	X		
8. Hazardous waste determinations completed and approved for all ARA-21 wastes based on validated analytical data in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 4.2.3 and Table 4-5).		N/A		Wastes were not hazardous; therefore, a formal hazardous waste determination was not prepared.
9. Liquid has been removed from the ARA-21 septic tank and chlorination tank in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4).	FTL Logbook ER-64-00	X		Page 89 10/17/00

WAG 5 OU 5-12 Remedial Action, Phase I

Prefinal Inspection Checklist, 10/02/01

Inactive Waste System Site ARA-21: ARA-IV Test Area Septic Tank and Leach Pit No. 2

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
10. Liquid has been disposed in the CFA Sewage Treatment Plant in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4 and Appendix J).	FTL Logbook ER-64-00	X		Page 89 10/17/00
11. ARA-21 structural components amenable to removal have been excavated and removed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4).	FTL Logbook ER-64-00	X		Pages 73 and 89 9/25/00, 10/17/00
12. ARA-21 structural components that have been removed and disposed at an approved facility in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4 and Appendix J).	FTL Logbook ER-64-00	X		Pages 73 and 89 9/25/00, 10/17/00
13. Holes have been drilled in the bottoms of the ARA-21 system components in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4).	FTL Logbook ER-64-00	X		Page 89 10/17/00
14. ARA-21 system components have been abandoned in place in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4).	FTL Logbook ER-64-00	X		Page 89 10/17/00
15. Excavations backfilled, compacted, and graded to match existing contours and promote drainage in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 2.2.4.4) and Appendix B, Specification 273, Section 02200—Earthwork.	FTL Logbook ER-64-00	X		Page 73, 75–76, 89–90 9/25/00, 9/27/00–9/28/00, 10/17/00–10/18/00
16. Remediation site reseeded and stabilized to prevent erosion in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.8) and Appendix B, Specification 273, Section 02486—Revegetation.	FTL Logbook ER-51-01			Pending Final Action. Success will be documented in the Final RA Report and in future monitoring/O&M/Institutional Control Inspections.
17. Equipment decontaminated as necessary in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.11) and the HASP for OU 5-12 RD/RA Projects (INEEL/EXT-2000-00515, Section 10).	FTL Logbook ER-64-00	X		Page 92 10/23/00
18. Task site demobilization completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.3.9).	FTL Logbook ER-64-00	X		Page 92 10/23/00

WAG 5 OU 5-12 Remedial Action, Phase I

Prefinal Inspection Checklist, 10/02/01

Inactive Waste System Site ARA-21: ARA-IV Test Area Septic Tank and Leach Pit No. 2

Inspection Item	Verification Location	Satisfactory		Comments
		Yes	No	
19. As built drawings depicting final construction completed in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.13).	RA Report Appendix A Sheet SK-7	X		
20. Wastes have been disposed of in accordance with the WAG 5 RD/RA Work Plan, Phase I (DOE/ID-10761, Section 5.10 and Appendix J).	FLT Logbook ER-64-00	X		Pages 73 and 89 9/25/00, 10/17/00

